Sixth Grade Math Learning Progression

Vocabulary: fraction, multiply, divide, fluently, visual, justify, convert, denominator, numerator, compare, estimate, decimal, equivalent, mixed number, percent

Compare and order non-negative fractions, decimals, and integers using the number line, lists, and the symbols <, >, or =

Fluently convert common fractions to decimals and/or to percents

Use area models and the number line, to show multiplication and division of fractions and decimals

Accurately calculate the products of fractions and decimals, and explain the solution

Accurately calculate products and quotients of non-negative fractions

6.1.D Fluently and accurately multiply and divide non-negative fractions and explain the inverse relationship between multiplication and division of fractions. *CCSSM 5.NF.4*

"**I can** compare and order non-negative fractions, decimals, and integers using the number line, lists, and the symbols <, >, or =."

Formative Assessments:
Fraction circles, squares
Percent grids
Number lines
Ascending fraction tables
Graduated measuring devices

"**I can** fluently convert between common fractions to decimals and/or to percents."

Formative Assessments:
Equivalency charts
Money
Measuring devices
Fraction bars
Grid paper

"**I can** use area models and the number line, to show multiplication and division of fractions and decimals."

Formative Assessments:
Percent grids
Money
Measuring devices
Number lines
Color tiles
Grid paper

"**I can** calculate the products and quotients of fractions and decimals and explain what the answer means."

Formative Assessments:
Fraction circles, squares
Percent grids
Number lines
Money
Grid paper

"**I can** accurately and fluently calculate products and quotients of non-negative fractions and explain the meaning of the reverse processes."

Formative Assessments:
Fraction circles, squares
Percent grids
Number lines
Money
Grid paper
Double-Nine Dominoes

Northwest Educational Service District 189
Together We Can

Math & Science Collaborative Inquiry Project